



# FEMA



Prepared by  
*Todd Beal*

# FEMA Region 6 Weather Threat Briefing

Friday, August 16, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).



NWSSouthern

[www.weather.gov/srh](http://www.weather.gov/srh)

# Summary of the Upcoming Week



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- **Isolated strong to severe thunderstorms across the TX/OK Panhandles and N OK today and Saturday.**
- **Isolated strong/severe storms over NE OK/NW AR on Sunday.**
- **Isolated heavy rainfall/flash flooding possible over E LA on Sunday**
- **Tropical cyclone activity is not expected in the next five days.**

# FEMA Region 6 Threat Matrix

Aug 16, 2019 - Aug 20, 2019



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DAY / THREAT	FRI	SAT	SUN	MON	TUE
Severe Storms	TX/OK Panhandles N OK	TX/OK Panhandles N OK	NE OK/NW AR		
Heavy Rain / Flash Flooding			E LA		
Tropical Weather					
River Flooding					

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

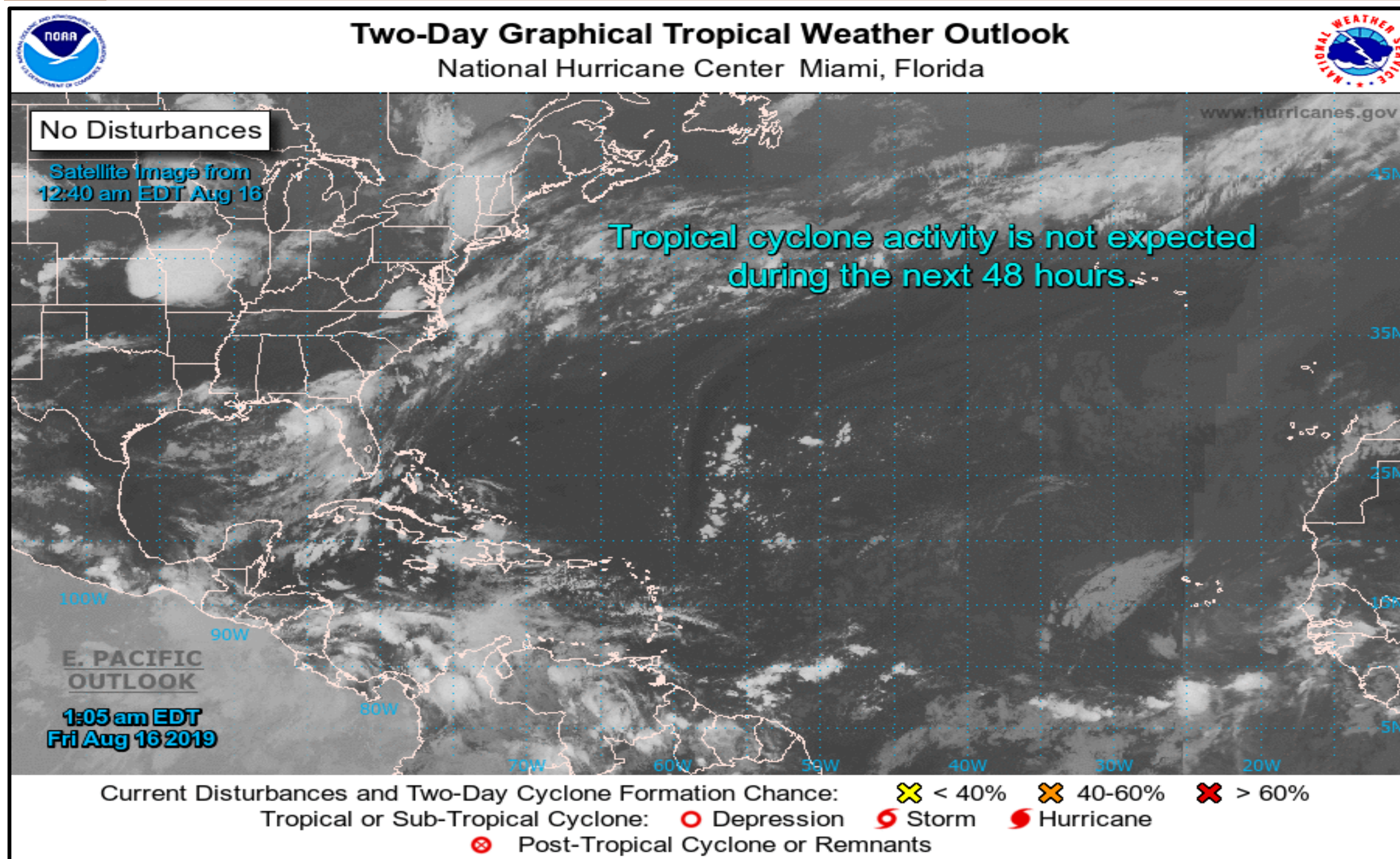
*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf

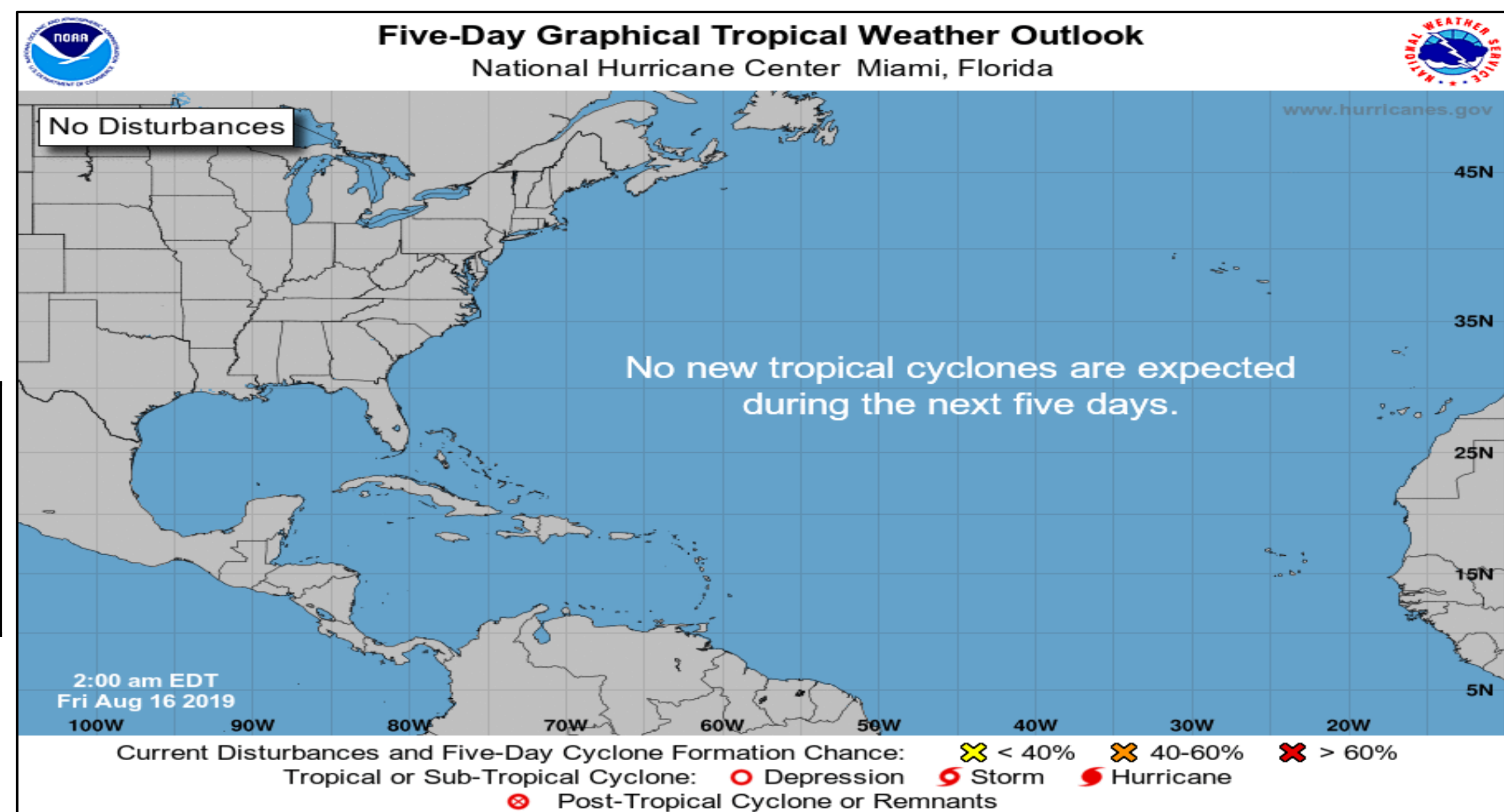


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**FEMA Region 6 Threat Level**  
No impacts to Region 6 expected.

**Tropical Formation Potential**  
Tropical cyclone formation is not expected during the next 5 days.





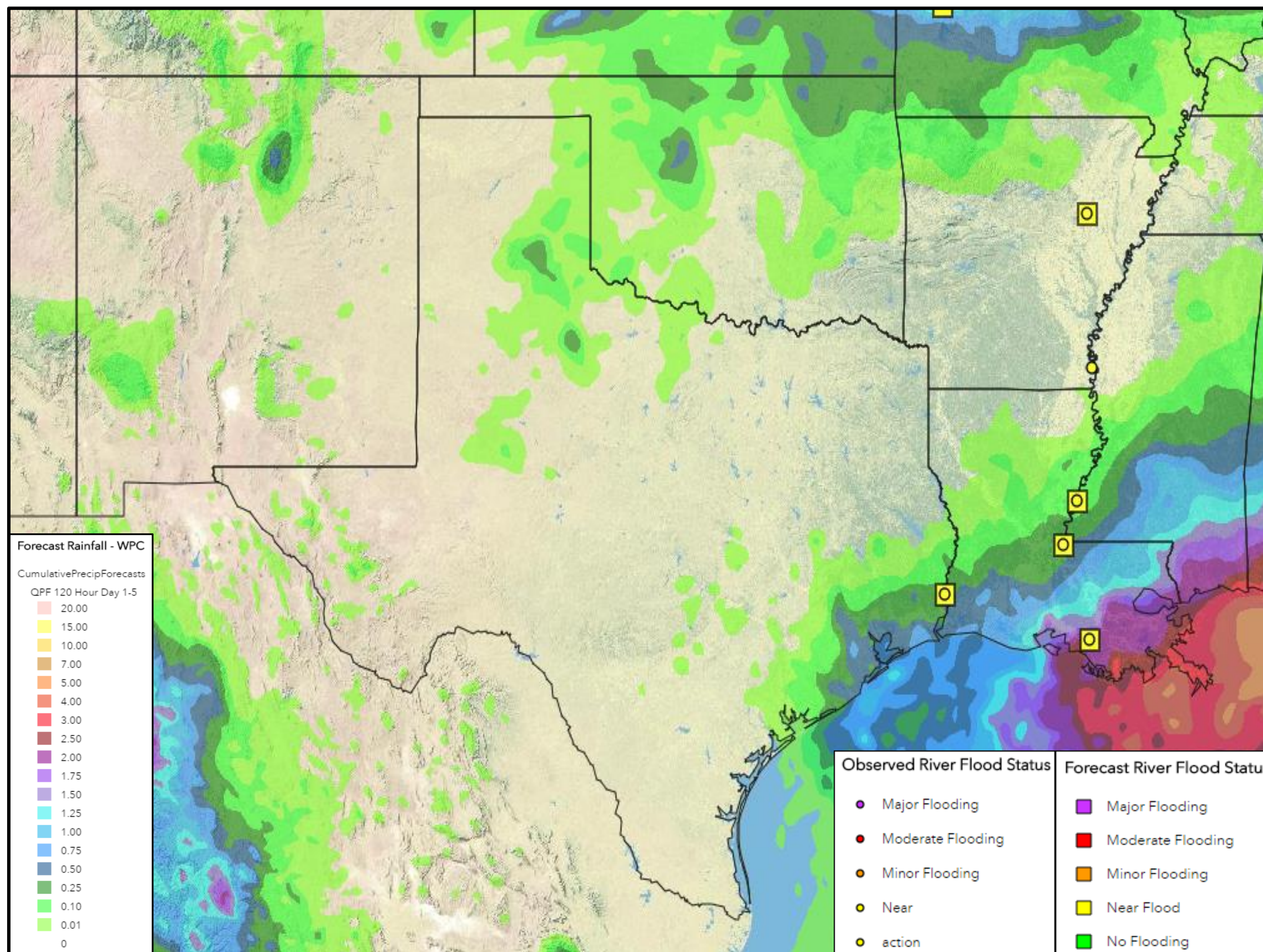
# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

**No significant river flood impacts  
occurring or expected**



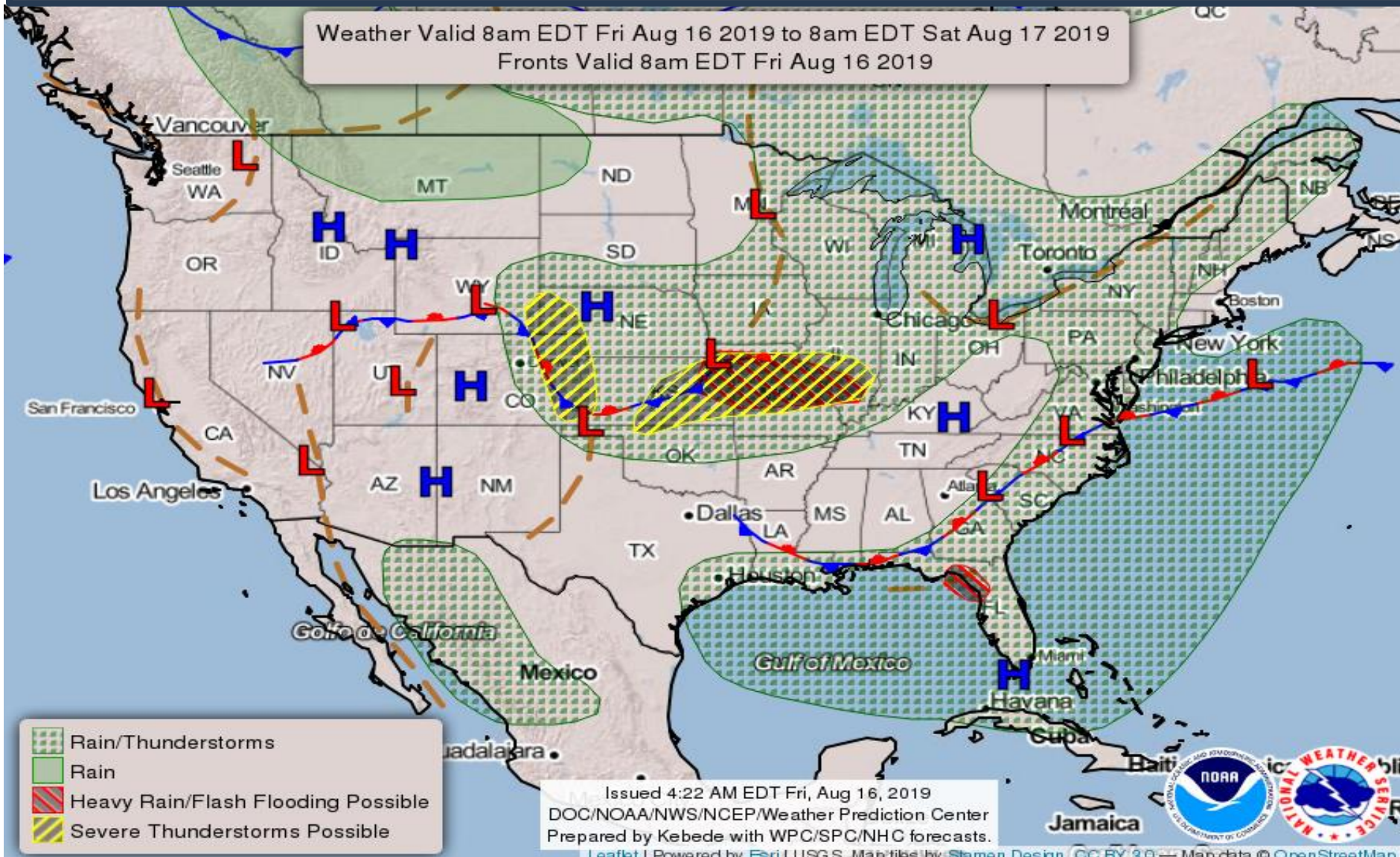


# Today's Weather

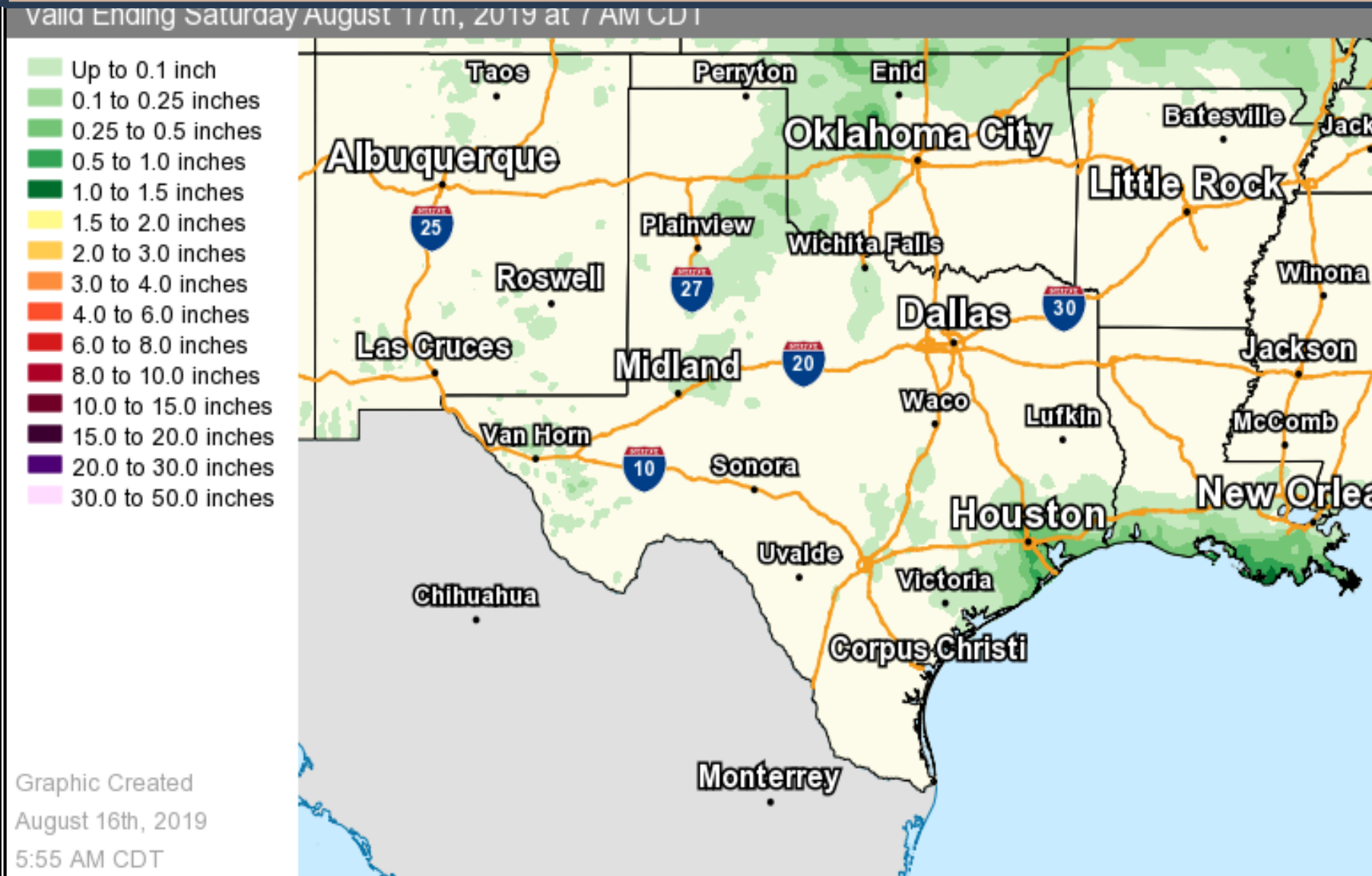


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## Forecast Chart

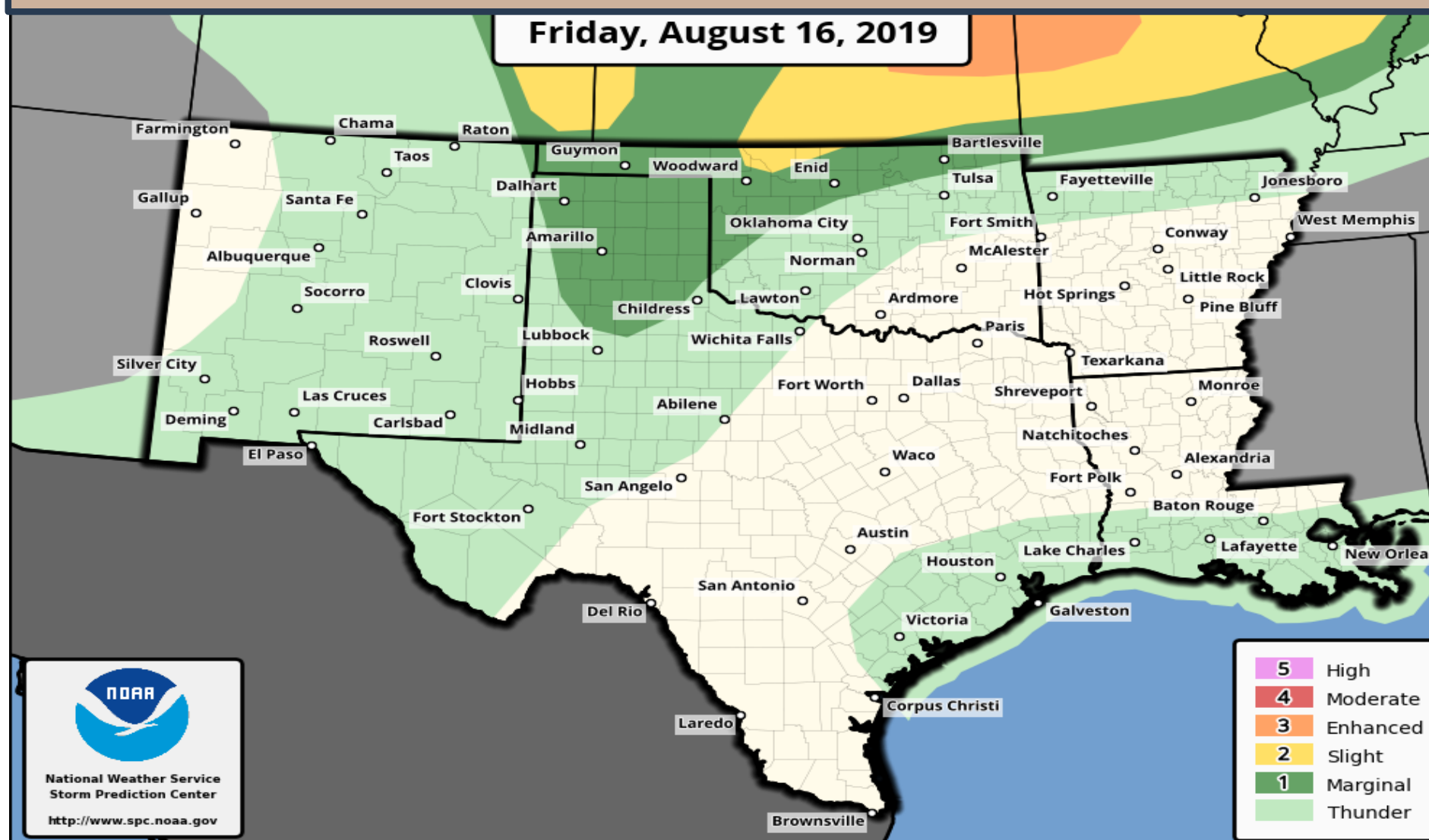


## Forecast Rainfall



Isolated strong to severe thunderstorms possible over the TX/OK Panhandles and N OK. Damaging winds and large hail are the primary threats.

## Severe Weather Outlook



## Excessive Rainfall Outlook



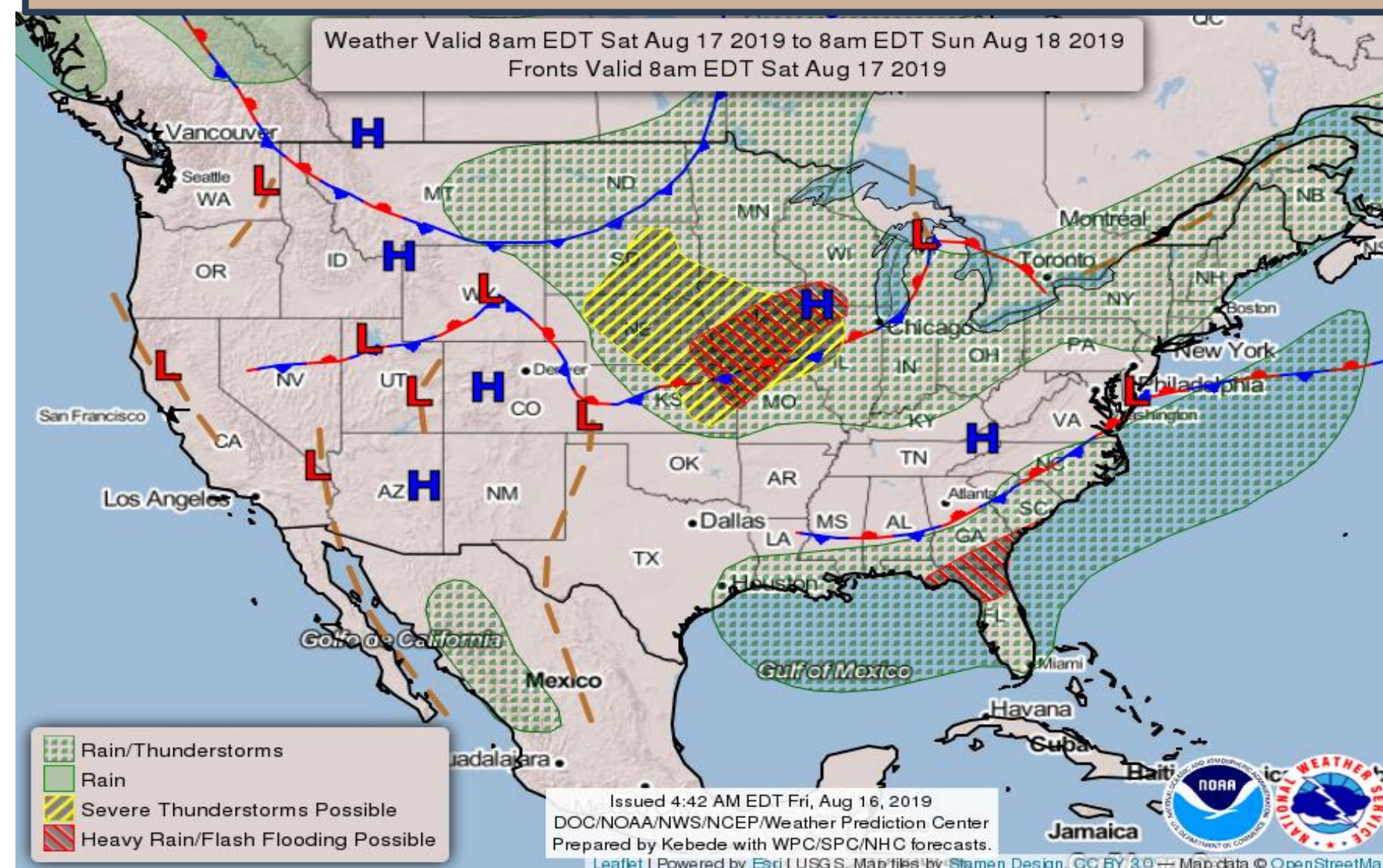


# Tomorrow's Weather

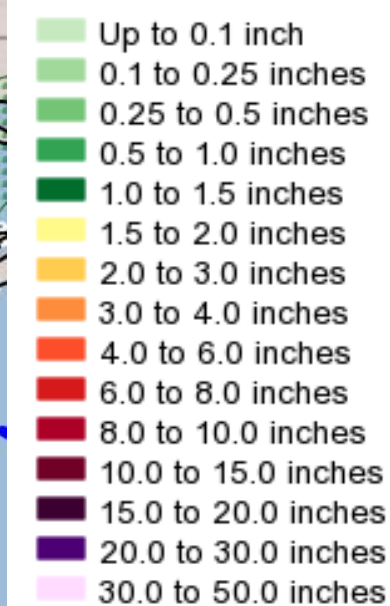


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## Forecast Chart

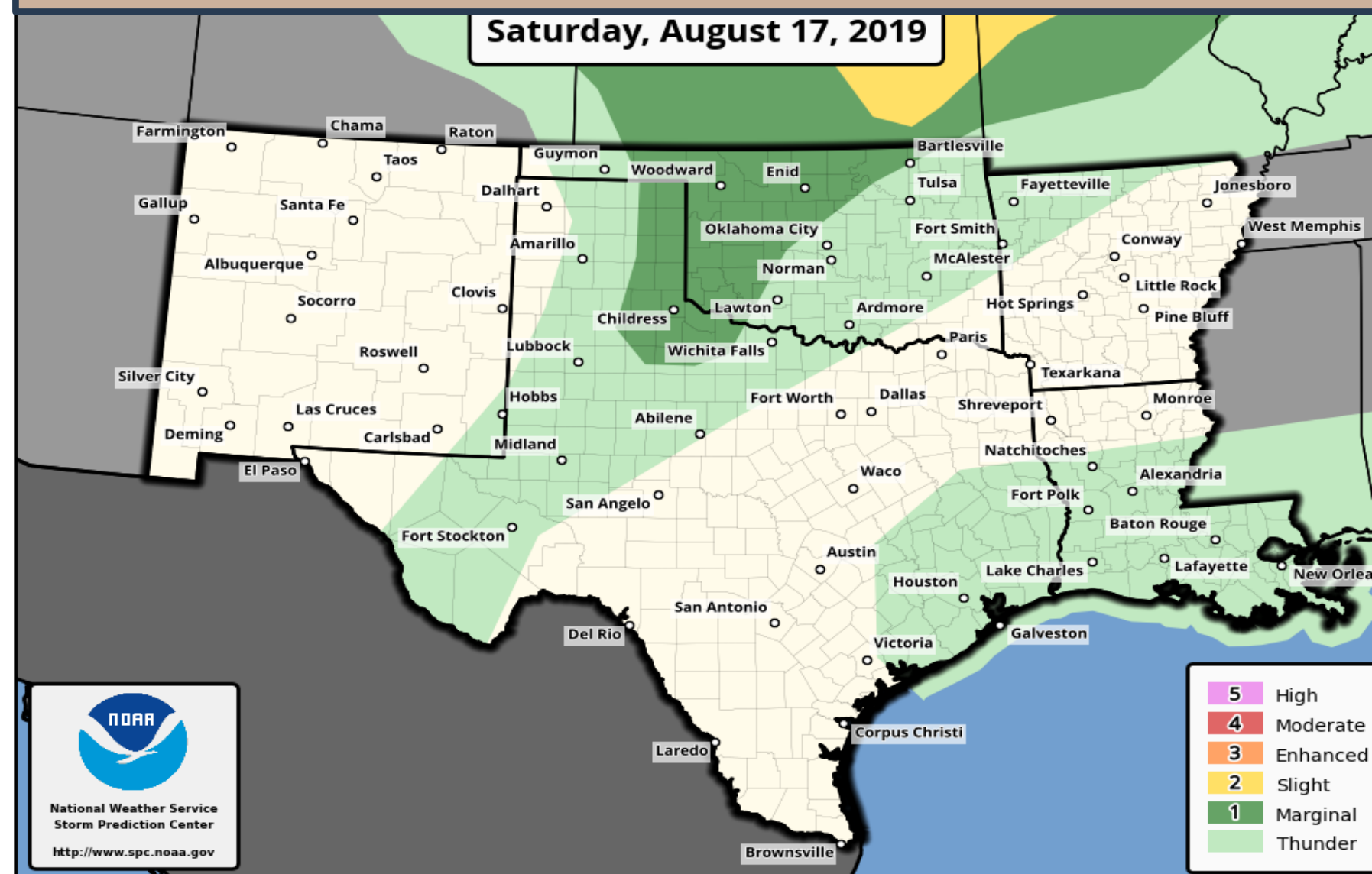


## Forecast Rainfall



**Isolated strong to severe storms possible over the TX/OK Panhandles and N OK. Damaging winds and large hail are the primary threats.**

## Severe Weather Outlook



Graphic Created August 16th, 2019 5:56 AM CDT

## Excessive Rainfall Outlook





# Sunday's Weather

## Forecast Chart

## Forecast Rainfall



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Isolated strong/severe storm  
threat over NE OK/NW AR

Isolated heavy rainfall/flash  
flooding over E LA

## Severe Weather Outlook

## Excessive Rainfall Outlook

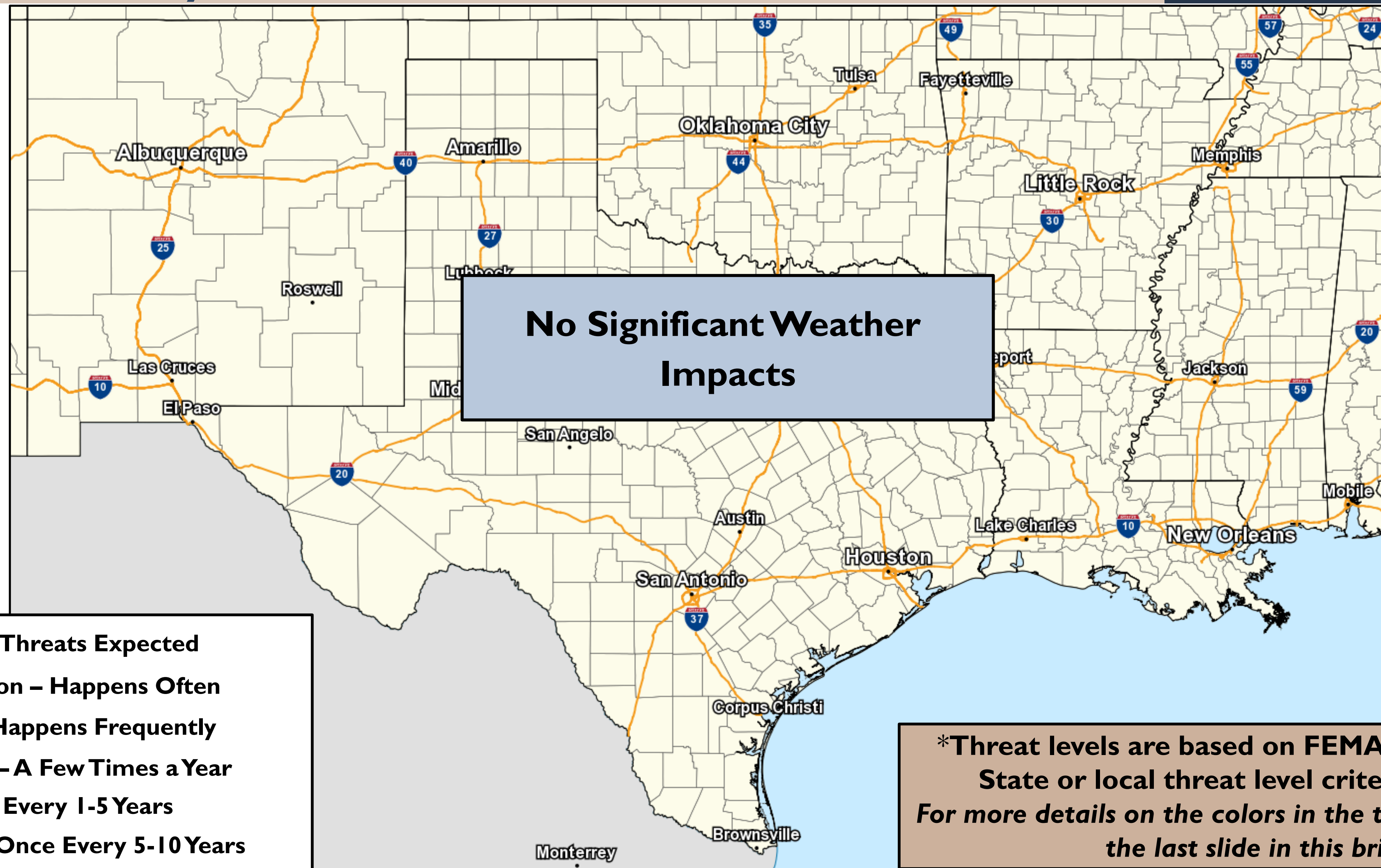


# Days 4-5 Weather Hazards

Monday - Tuesday



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the last slide in this briefing.*



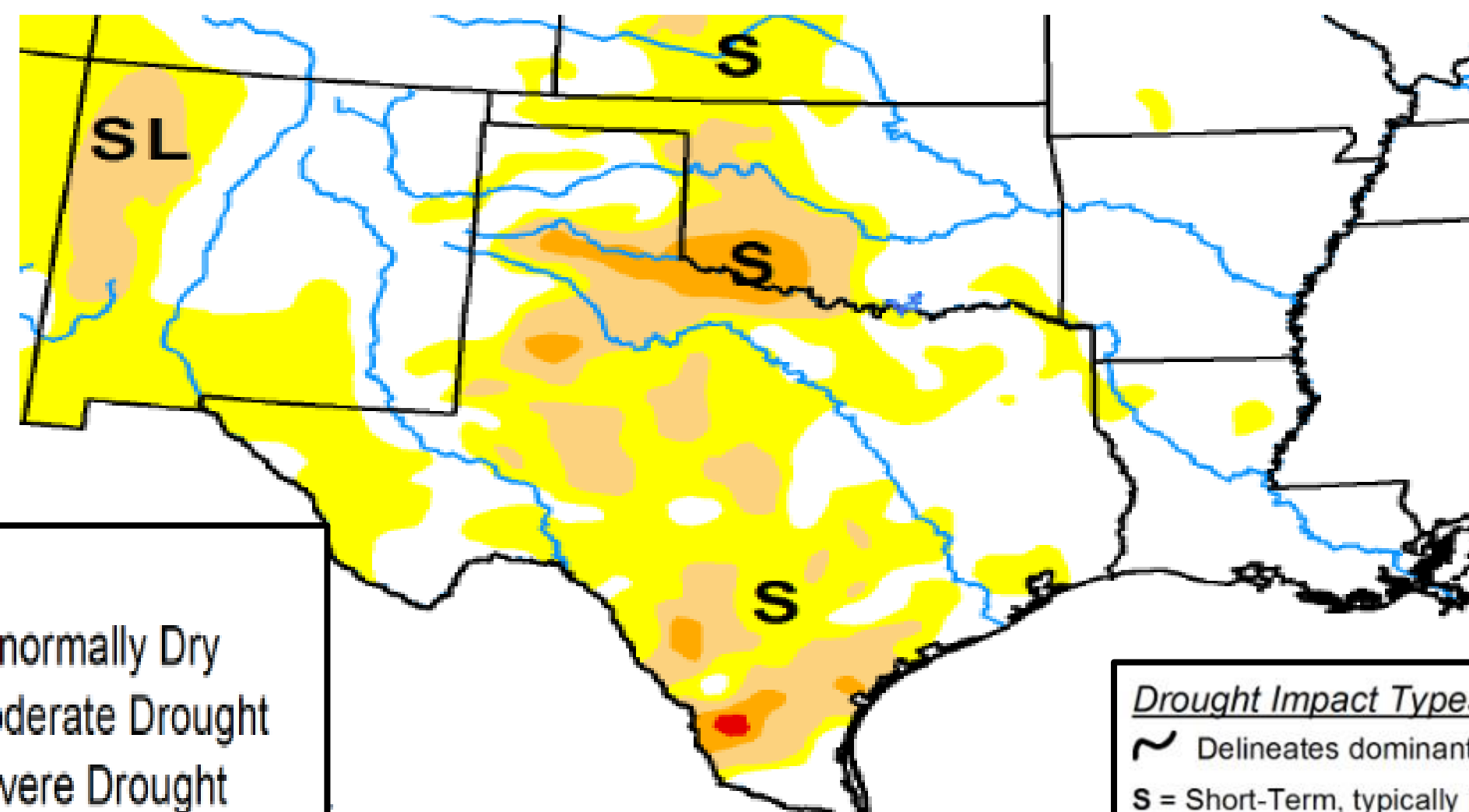
# Drought Monitor (Released Aug 15, 2019)



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Data valid as of 8am EDT, Tuesday, August 13, 2019

## Drought Monitor



**Intensity:**

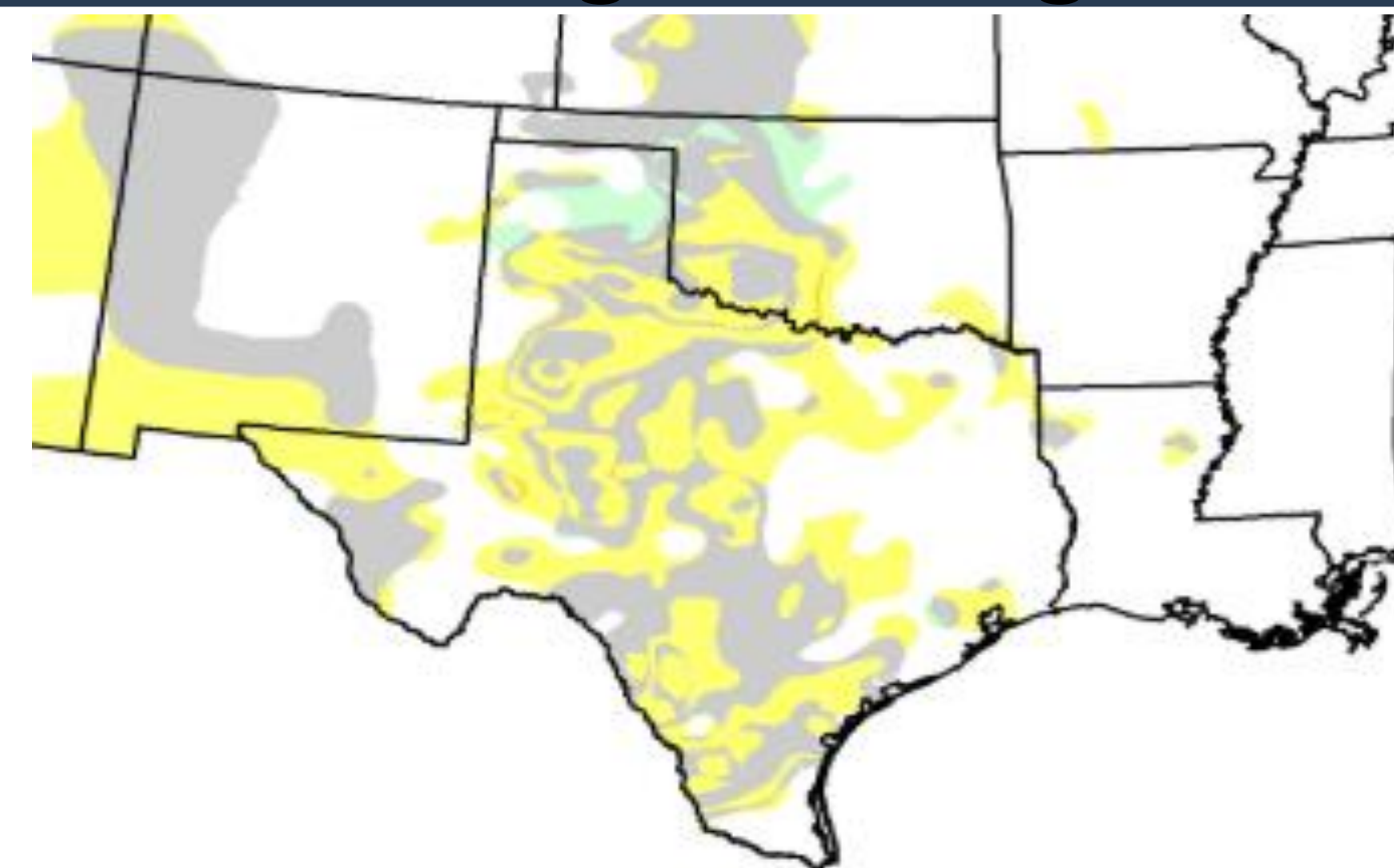
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

**Drought Impact Types:**

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

## One Week Change in Drought

5 Class Degradation  
4 Class Degradation  
3 Class Degradation  
2 Class Degradation  
1 Class Degradation  
No Change  
1 Class Improvement  
2 Class Improvement  
3 Class Improvement  
4 Class Improvement  
5 Class Improvement



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	2.24%
New Mexico	0.00%	0.00%	0.00%	41.75%
Oklahoma	0.00%	0.00%	0.00%	6.30%
Texas	0.21%	0.00%	0.00%	6.22%

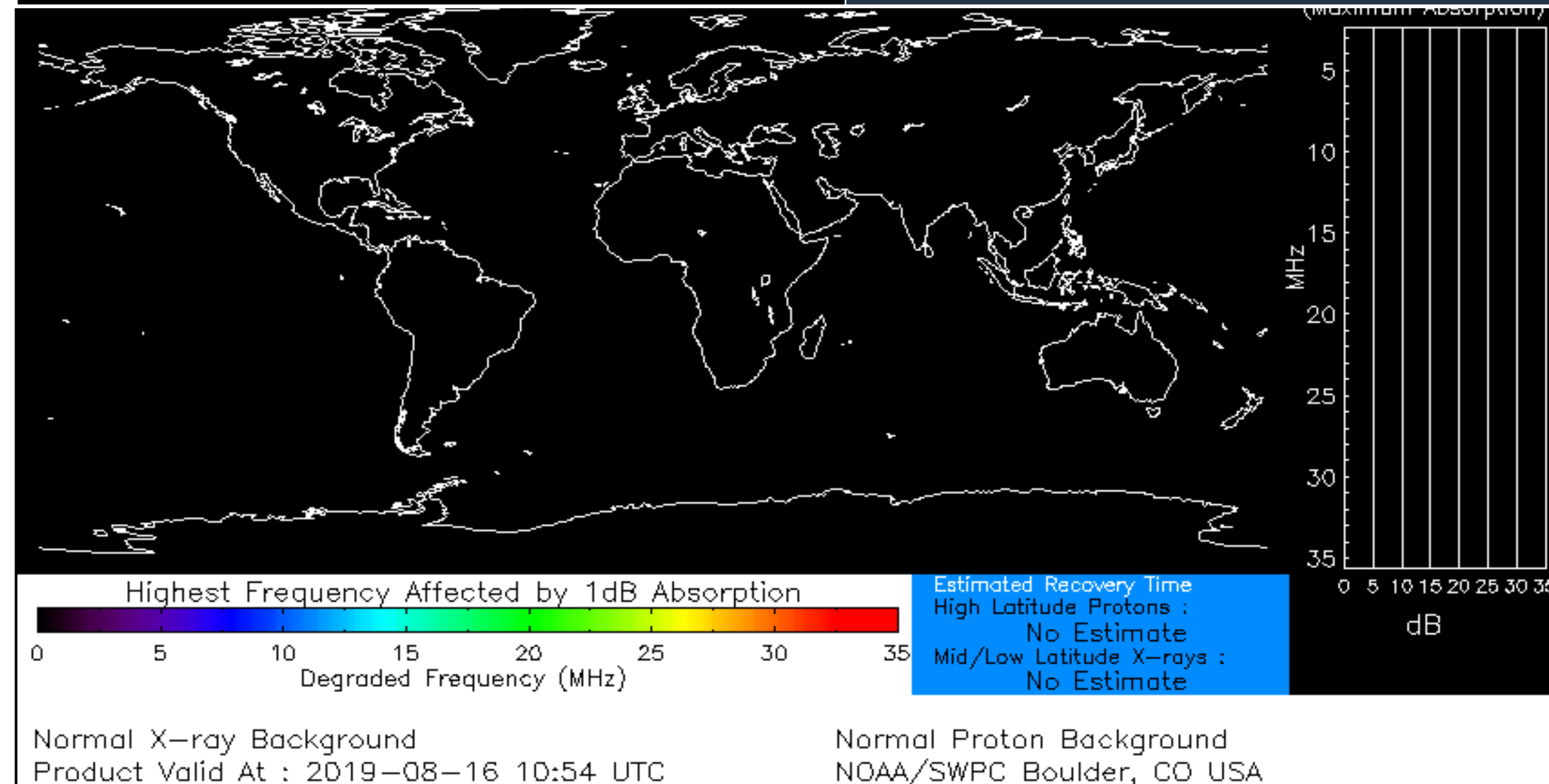


# Space Weather 3-Day Forecast



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	Friday	Saturday	Sunday
<b>Geomagnetic Storms</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>
<b>Radio Blackout (R1-R2)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>
<b>Radio Blackout (R3-R5)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>



[Click here for a  
Description of the Space  
Weather Storm Scales](#)

[Click here for the Latest  
3-Day Space Weather  
Forecast Text](#)







**For more information, please contact:**

**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

**Phone: (682) 703-3747**

**E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**

**Web: <http://www.weather.gov/srh>**





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**